

National Toxicology Program

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TERT-BUTYL HYDROPEROXIDE

CASNO: 75-91-2**FORMULA:** C₄H₁₀O₂

SYNONYMS/COMMON NAMES

- 1,1-DIMETHYLETHYLHYDROPEROXIDE
- CADOX TBH
- LUPEROX TBH70
- 2-HYDROPEROXY-2-METHYLPROPANE

KNOWN USES:

- OXIDATION AND SULFONATION CATALYST, WIDELY USED CATIONIC POLYMERIZATION INITIATOR. USED AS A REAGENT IN RESEARCH.

CHEMICAL HEALTH AND SAFETY INFORMATION:

PLANNED CARCINOGENICITY/TOXICITY

- SELECTED

GENETIC TOXICOLOGY (definition)

- IN VITRO CYTOGENETICS
 - POSITIVE (CHROMOSOME ABERRATIONS)
 - POSITIVE (SISTER CHROMATID EXCHANGES)
- DROSOPHILA
 - POSITIVE (SEX-LINKED RECESSIVE LETHAL)
 - NEGATIVE (RECIPROCAL TRANSLOCATION)
- SALMONELLA
 - POSITIVE ✓

NTP Study Overviews and General Protocols

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Last Updated 01/21/03